

DD/ST# 1213-65

10 March 1965

MEMORANDUM FOR: Executive Officer, DD/S&T

SUBJECT : Report of Audit of Supply Division, OL

1. The following is a chronology of relevant events to date:
 - a. November 6, 1963: Audit Staff report of survey of Supply Division to Director, OL.
 - b. November 1963 - February 1964: Supply Division Systems Analysis Group study of existing system with emphasis on corrections of deficiencies uncovered by Audit Staff.
 - c. December 3, 1963: OCS personnel met with Supply Division Systems Analysis Group and offered to assign OCS analysts to work with the Group to perform a complete system study of Supply Division data processing functions and to define requirements for the data processing system. Offer was rejected; Supply Division considered OCS participation to be premature at that time.
 - d. February 3, 1964: Supply Division personnel briefed OCS personnel on results of study to date.
 - e. February 17, 1964: OCS replied in writing, in response to the briefing, pointing out additional areas of investigation and lack of certain necessary system requirements.
 - f. April 7, 1964: OL requested 13 changes to be made to the present ADP system, mainly in response to Audit Staff requirements.
 - g. May 1964: OCS personnel studied the Supply Division processing for necessary background information.

h. July 23, 1964: OCS sent memo to OL, indicating the system requirements still were not complete, and suggesting further areas of investigation before one of two alternative routes could be selected. The alternatives were: (1) patch the present system to include desired improvements and modifications; (2) take a fresh approach to the OL need and build a new computer-driven system from scratch.

i. August 7, 1964: OL sent memo to OCS, which concurred in recommendations of 23 July paper.

j. August 21, 1964: OL requested statistical data called for in OCS memo of 23 July.

k. December 1964: OCS completed statistical data lists.

l. January 1965: OCS finished implementation of seven of thirteen improvements requested in OL paper of 7 April 1964.

m. February 4, 1965. OCS proposed a system design to OL, and transmitted it to Special Assistant, DD/S (at his request) for coordination with OL.

n. March 3, 1965: OL response to Audit Staff.

2. Because of the nature of the remaining six proposed changes, many (indeed, all) of the programs for this application would have to be re-written or modified, requiring the expenditure of many man hours of programming effort by OCS. In a memorandum (attached) to the Special Assistant, DD/S, for coordination with OL, dated 4 February 1965, OCS outlined a plan to reprogram the complete data processing system of the Supply Division. The objectives of the plan are: (1) to satisfy requirements of the OL (many of which were recommended by the Audit Staff); (2) to produce a more efficient system from both the OL and OCS standpoints; and (3) to produce a system which is program-compatible with third-generation computing equipment which will be installed in OCS during 1965.

3. There are three possible ways of proceeding:

a. Reprogram the present system for third-generation equipment (Plan a.).

✓ b. Redesign and program a new system to take better advantage of the capabilities of third-generation equipment (Plan b.).

c. Reprogram the present system for present equipment (Plan c.).

4. Design of a new system for present equipment is out of the question--present equipment will be phasing out shortly after the time the work is completed.

5. A comparison of the plans is as follows:

<u>Plan</u>	<u>Programming Required</u>		<u>Est. Date of Completion</u>	<u>Delivery New Hardware</u>	<u>Reprogramming Required for New Hardware</u>
	<u>Man Mos.</u>	<u>Cal. Mos.</u>			
Plan <u>a</u>	45-50*	15	June 66	1st Qtr 66	None
Plan <u>b</u>	60*	18	Sept 66	1st Qtr 66	None
Plan <u>c</u>	40	12	March 66	1st Qtr 66	Yes

* These estimates provide for some time for programmers to become proficient in the use of new hardware and new programming languages.

6. Of these alternative plans, OCS recommended that Plan b should be adopted because we believe the new capabilities are more in line with long-range DD/S plans. However, OCS did indicate willingness to proceed with Plan a. Plan c was rejected as an alternative for the following reasons:

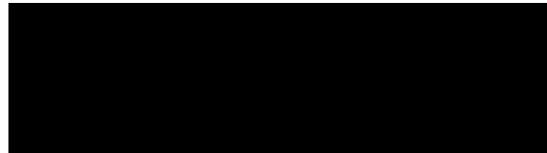
a. Existing OCS hardware will be phased out approximately within a few months after reprogramming is completed.

b. Programming effort potentially is doubled. New hardware would be available shortly after the programming is completed; therefore, reprogramming for the new hardware would be required almost immediately.

c. By adopting Plan b, the operational date of the system is delayed only three or six months, respectively, over Plan c.

7. OCS has received no communication from OL, or from the Special Assistant, DD/S, which would indicate that the above plan is not satisfactory. OCS is prepared (1) to discuss the OCS proposal with OL as indicated in our memorandum and/or (2) to begin work on Plan b as soon as approval is received.

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Deputy Assistant Director
Computer Services

Attachment:

As Stated